

Figures 10(a) and 10(b) are views to show an expansion member according to the second embodiment of the invention; 10(a) and 10(b) are a side view and a front view of the expansion member respectively;

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Figures 11(a) and 11(b) are views to show a retaining ring according to the second embodiment of the invention; 11(a) and 11(b) are a side view of the retaining ring and a front view from the outside of the retaining ring;

IN THE CLAIMS:

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Please cancel claims 1-7 without prejudice and/or disclaimer.

Please amend the claims as follows:

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8. (Amended) A feed screw device comprising:
a screw shaft;
a nut member threadably engaging an outer periphery of the screw shaft;
a lubricant supply device fixed to said nut member, said lubricant supply device coming in contact with the outer peripheral surface of said screw shaft and having a predetermined elasticity, and
means for deforming at least the outer periphery of said lubricant supply device in the circumferential direction,

in which said nut member is provided with a cap-shaped retaining ring which has a recessing portion for accommodating said lubricant supply device.

9. (Amended) A feed screw device comprising:

a screw shaft;

a nut member threadably engaging an outer periphery of the screw shaft;

a lubricant supply device fixed to said nut member, said lubricant supply device coming in contact with the outer peripheral surface of said screw shaft and having a predetermined elasticity; and

a deforming member which deforms at least the outer periphery of said lubricant supply device in the circumferential direction,

in which said nut member is provided with a recess portion for attaching said lubricant supply device and a retaining ring for retaining said lubricant supply device within said recess portion, and

in which said deforming member comprises:

a notch formed in the outer periphery side of the lubricant supply device;

and

an expansion member formed on said retaining ring and inserted into said notch so as to deform said lubricant supply device in the circumferential direction.

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11. (Amended) A feed screw device comprising:

- a screw shaft;
- a nut member threadably engaging an outer periphery of the screw shaft;
- a lubricant supply device fixed to said nut member, said lubricant supply device coming in contact with the outer peripheral surface of said screw shaft and having a predetermined elasticity; and
- means for deforming at least the outer periphery of said lubricant supply device in the circumferential direction,

in which said lubricant supply device is provided with a plurality of lip parts projected along the circumferential direction toward the inner peripheral surface of said lubricant supply device and come in sliding contact with the outer peripheral surface of said screw shaft.

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